

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Previously presented) A bag making device for cross base bags in which tube sections for the bags are processed, comprising a plurality of working stations that perform different working steps on the tube sections, at least one of the working stations being equipped with a tool that is mounted on a tool roller and that passes through its working position during each rotation of the tool roller at least one conveyor system that conveys the tube sections through the working stations, the conveyor system including conveyor belts that are driven by drive wheels having a larger diameter than the tool roller, and a drive system that drives the drive wheels and the tool roller such that one tube section passes through at least one working station each time the tool roller completes a rotation and such that the drive wheels have less angular speed than the tool roller.

2. (Previously presented) The bag making device in accordance with claim 1, wherein a ratio of the angular speed of the drive wheels to the angular speed of the tool roller is 2:3 so that loss of tension associated with elongation of the conveyor belt during operation is reduced.

3. (Previously presented) The bag making device in accordance with claim 1, wherein the drive wheels are driven by a transfer of torque from a line gear in communication with a bevel gear that is in communication with a planetary gear that is in communication with the drive wheel.

4. (Previously presented) A method of processing tube sections in cross base bags, comprising

performing working steps on the tube sections in a plurality of working stations including in at least one working station performing a working step with a tool that is mounted on a rotating tool roller and that passes through its working position once during each rotation of the roller,

conveying the tube sections through the working stations with conveyor belts that are driven by drive wheels, and

driving the drive wheels with less angular speed than the tool roller such that one tube section passes through at least one working station each time the tool roller completes a rotation.

5. (Previously presented) A method in accordance with claim 4, wherein a ratio of the angular speed of the drive wheels to the angular speed of the tool roller is 2:3.

6. (Canceled)

7. (Previously presented) A bag making device for processing a tube section of a cross base bag, comprising a station that performs a processing step on the tube section, the station having a tool that is mounted on a rotating tool roller such that the tool passes through a processing position during each rotation of the tool roller, a conveyor system that conveys the tube section through the station, the conveyor system including a conveyor belt that is driven by a drive wheel having a larger diameter than a diameter of the tool roller, and a drive system that drives the drive wheel and the tool roller such that the tube section passes through the station each time the tool roller completes a rotation and such that a ratio of an angular speed of the drive wheel to an angular speed of the tool roller is 2:3.

8. (Previously presented) A device according to claim 7, further comprising a plurality of the stations that each performs a processing step on the tube section, and a corresponding plurality of tools mounted on a corresponding plurality of tool rollers.

9. (Previously presented) A device according to claim 7, further comprising a pair of deflection wheels associated with the drive wheel, the deflection wheels providing tension on the conveyor belt so as to provide adhesion between the conveyor belt and the drive wheel.

10. (Previously presented) A device according to claim 7, wherein the conveyor belt includes a plurality of tensile-stressable metal cords arranged in a horizontal plane and an elastic coating that surrounds the cords.

11. (Previously presented) A device according to claim 10, wherein the metal cords have a higher tensile strength than the elastic coating.

12. (Previously presented) A device according to claim 7, wherein the drive wheel is driven by a partial transfer of torque from a line shaft in communication with a bevel gear that is in communication with a planetary gear that is in communication with the drive wheel.